For details of pile plating, see Sheet No. 1080.

Shear connectors shall be in accordance with Sec 712, 1037 and will be made for this substitution. See special provisions.

A FRP pile jacketing system may be used in lieu of pile encasement.

Pile Encasement.

Cost of all concrete, reinforcement, shear connectors, surface preparation and coating for piles shall extend a minimum of one foot outside the face of the pile encasement.

The exposed and accessible surfaces of the existing structural steel that will be encased in concrete shall be cleaned with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) to produce a dry film thickness of not less than 3 mils before concrete is poured. The surface shall be free of rust, scale, paint, and other foreign material.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

Concrete Structures, Stirrup and Tie Dimensions.

General Notes:

All bars shall be epoxy coated.

Concrete shall be Class B (f'c = 3000 psi).

The reinforcing steel shall be epoxy coated Grade 60 with fy = 60,000 psi.

The reinforcing steel shall be epoxy coated.

All dimensions are out to out.

Actual lengths are measured along centerline of bar to the nearest inch.

Exist. Ground Line

Slope to drain

Note: Existing sway bracing may need to be removed and replaced or reattached if it is located in the area of pile to be replaced or plated. Existing sway bracing not shown for clarity.

Delete note if there is not any existing sway bracing.

Shear connectors are only used for partial pile replacement.

No additional payment for this substitution. See special provisions.

Delete note if there is not any existing sway bracing.

Shear connectors are only used for partial pile replacement.